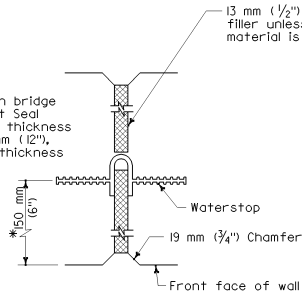
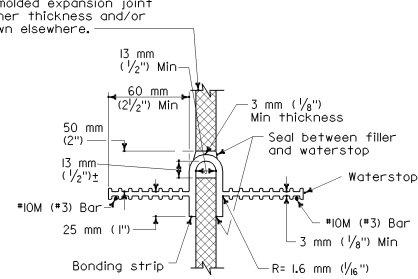


**200 mm PSP AND PERMEABLE MATERIAL
BRIDGE DETAIL 3-5**

* For placement in bridge decks, See Joint Seal Details. For wall thickness less than 300 mm (12 inch), use 1/2 the wall thickness



**WALL EXPANSION JOINT
BRIDGE DETAIL 3-4**



**WATERSTOP
BRIDGE DETAIL 3-6**

DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
<p><i>Overcomer</i> REGISTERED CIVIL ENGINEER</p> <p>July 1, 2002 PLANS APPROVAL DATE</p> <p>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</p> <p>Caltrans now has a web site! To get to the web site, go to http://www.dot.ca.gov</p>					

REGISTERED PROFESSIONAL ENGINEER

Overcomer
Y. Hor

No. C45803

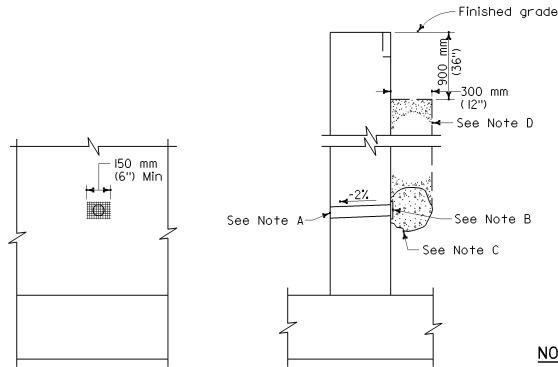
Exp. 12-31-06

STATE OF CALIFORNIA

NOTES

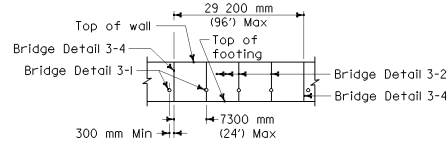
Holes will be permitted in the outer 13 mm (1/2 inch) of the web for wire, rings, etc. Tie web to 10M (#3) reinforcing bars @ 400 mm (16 inch) maximum intervals to support the waterstop in proper position during concrete placement. Alternative detail may be submitted for approval of the Engineer.

Waterstop to have 5 or more pairs of raised ribs to provide 65 mm² (one square inch) minimum rib cross-section area on each half of the waterstop.



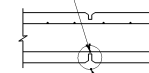
**ELEVATION
WEEP HOLE AND PERVIOUS BACKFILL
BRIDGE DETAIL 3-1**

SECTION



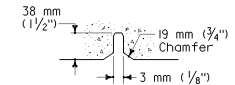
**WALL EXPANSION JOINTS
AND WEAKENED PLANES
BRIDGE DETAIL 3-3**

Cut or butt every other front face horizontal bar at Bridge Detail 3-2



SECTION

Joint may be formed with 3 mm (1/8 inch) hardboard and cut back to the root of the chamfer on the exposed face.



DETAIL A

**WEAKENED PLANES
BRIDGE DETAIL 3-2**

NOTES

A. 100 mm (4 inch) ϕ Drains @ 7600 mm (25 inch) maximum center to center, 2750 mm (9 inch) center to center for Type 3 and 2800 mm (9 inch-3 inch) center to center for Type 4 retaining walls. For walls adjacent to sidewalks or curbs, provide 100 mm (4 inch) plastic pipe under the sidewalk to discharge thru curb face. Exposed wall drains shall be located 75 mm (3 inch) \pm above finished grade.

B. 150 mm (6 inch) Square aluminum or galvanized steel wire 6 mm (1/4 inch) mesh hardware cloth, minimum wire diameter 0.64 mm (0.025 inch). Anchor firmly to backface.

C. 0.03 cubic meter (1 cubic foot) pervious backfill material in a nonwoven filter fabric, securely tied.

D. Pervious backfill material continuous behind retaining wall or abutment.

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION BRIDGE DETAILS

These "Standard Plans for Construction of Local Streets and Roads" contain units in two systems of measurement: International System of Units (SI or "metric") and United States Standard Measures shown in the parentheses (). The measurements expressed in the two systems are not necessarily equal or interchangeable. See the "Foreword" at the beginning of this publication.

NO SCALE

B0-3